

ABSTRACT OF THE DISCLOSURE

A method of manufacturing a high-strength austenitic stainless bolt having a tensile strength of 1100 MPa or more on an industrial mass-production basis. The method of manufacturing a high-strength stainless steel bolt according to the present invention comprises the steps of forming a lubricant coating on the surface of an austenitic stainless steel wire material to obtain a lubricated wire material; cold forming the lubricated wire material within a degree-of-working range of from 0.5 to 1.5 as defined in a natural logarithmic value of the working distortion such that a head portion is bulged as a result of axial compression of the cold formed wire material and a threaded portion formed of part of the bolt material extruded under said axial compression and radially compressed; and then subjecting said threaded portion to form rolling, said lubricant coating being free from exfoliation and destruction at said degree of working range.